

Govt. of Jharkhand
Department of Forests
Office of the Member Secretary, Jharkhand zoo Authority,
Chakala,Ormanjhi, Ranchi
Tender No. 07/2016-2017/dated 11.03.2017

Sealed tender in the prescribed form is invited by the Member Secretary, Jharkhand Zoo authority, Chakala, Ormanjhi, Ranchi from bidding agency/ Company/Firm possessing adequate experience in the field of electronic gate together with RFID technology.

1.	Tender No.	07/2016-17
	Name of the work	Supply and Installation of 05 Electronic Gates equipped with RFID card punching & RFID readers by upgrading the existing entrance gate having manual ticketing system of B.B.B.Park, Ormanjhi, Ranchi.
2.	Availability of tender document on website	11.03.2017
3.	Last date for submission of Tender	22.03.2017 (3.00PM)
4.	Place for submission of Tender	Office of Member Secretary, Jharkhand Zoo Authority, Chakla, Ormanjhi, Ranchi-835219
5.	Date & time for opening of Tender & presentation	23.03.2017 (11.00 AM)
6.	Venue for opening of Tender and presentation	PALASH MEETING HALL, Forest Colony, Doranda, Ranchi.
7.	Cost of Tender document (To be attached with technical bid)	Rs. 1000.00(Rupees one thousand only)
8.	EMD (To be attached with technical bid)	Rs. 40000.00/- (Rupees fifty thousand)

Details of this tender can be downloaded from our website www.jharkhandzooauthority.org.

Sd/-
Member Secretary,
Jharkhand Zoo Authority,
Chakla, Ormanjhi, Ranchi.

TENDER DOCUMENTS SECTION -1

Scope of Work

1. Supply and Installation of 05 Electronic Gates equipped with RFID card punching & RFID readers by upgrading the existing entrance gate having manual ticketing system of B.B.B.Park, Ormanjhi, Ranchi and Maintenance of the electronic gates including necessary civil works, Cables, cabling with PVC conduit with defect liability period of Two years (herein after referred to as project).
2. At present there is only one entrance & Exit manual gate We Require to Install minimum 05 Electronic gates at the site of the existing manual gate.
3. All equipments supplied, installed and workmanship of the work done shall have Warranty & CMC for 2 years from the date of completion and handing over of the work. The defect liability period shall be for 2 years reckoned from the date of commissioning and handing over to client. The defects if any noticed during the period shall be immediately (not more than two days) rectified failing, which the firm shall be liable for action by the BBBP. The firm has to supply the required essential spares free of cost for trouble free running of the system during defect liability period. The supplier has to carry out the required maintenance works during the AMC period for three-year post warranty or defect liability period.
4. The project shall include the following minimum services:-
 - i. Advice
 - ii. Supply of all necessary equipments including cabling, Electrical/Mechanical modification for the gates and software for the Up-gradation of the existing manual gate entry/ ticketing system
 - iii. Modification at the site and gates, as required for proper functioning of the electronic gate system
 - iv. Complete installation at site
 - v. Commissioning at site
 - vi. Operation of the installed electronic gate system for two years and training in operation and maintenance of the equipment to staff .
 - vii. Defect liability replacement warrantee including the replacement of spares etc. for two years from the date of commissioning of the project free of cost.
 - viii. AMC including operation for three years beyond the defect liability period
 - ix. The RFID Card printing and supply will be vendors responsibility.
5. Power for installation, operation and maintenance of the system will be provided by BBBP free of cost but any accessories needed to use the power shall be arranged by the bidder himself.
6. THE SYSTEM should have the following features.
 - (i) Five New Electronic Gates has to be equipped with RFID and RFID CARD readers & collectors.
 - (ii) All the Gates and Systems have to be in TCP/IP Protocol.
 - (iii) The Supplied Electronic Gates should have WAY MODE LED Indicators.
 - (iv) The Software Should support Online Data Transfer, and should support Online to Store Data in WEB/CLOUD.
 - (v) All the Gates and Data has to be Connected to the SERVER placed at Ticket Counter or at any suitable place as needed by the client.
 - (vi) The Issued RFID cards has to work in any of 5 Electronic gates.
 - (vii) Five electronic gates supplied should be with the following specification:-

- a FLAP BARRIER (Fully Automatic SS # 304 Outdoor Type with RFID Card Reader & Collector (Through put 250 ~ 300 persons per hour excluding card Validation time)
- b DOOR CONTROLLER PANEL: (to Control 5 Gates and to send Data to the master PC and also OPEN FLAP BARRIER)
- c Self Centering Mechanism with Positive action locking having motion sensor to prevent two passages at one time.
- d LED display on top for status of Card, LED of Constant RED and GREEN
- e FLASHING ARROW way mode indicators complete with all accessories. RFID Cards as per the approved design by the BBBP.
- f. The flap gate should have the facility to open automatically in case of fire / power failure to facilitate evacuation of visitors.
- g. The Card Collector should have the Facility to return the unregistered card, the unregistered card should not go inside the Flap Gate DROP BOX and to be returned back to unauthorized Visitor.
- 7. The software to be provided by the contractor should have the following features:
 - (i) CARD PUNCHNG information system features
 - (ii) RDBMS (relational data base management system) compatibility
 - (iii) Unique ID Number has to be provided.
 - (iv) Cards shall be of five types with different colors prevailing.
 - (v) Their daily movement logs have to be registered and reported.
 - (vi) Generate different MIS (management information system) report
 - (vii) Good security and network security features
 - (viii) Browser based compatibility
 - (ix) Ticket sale modules (Generation, Sales, Collection, Denomination, Summary and detail reports)
 - (x) Audit logs
 - (xi) Ticket customization by the department
 - (xii) Generate alert reports like (Invalid/Already used/Error/Valid entry details)
 - (xiii) Scheduled backup
 - (xiv) Gate open and close schedule creation from admin console
 - (xv) Analysis reports like (Daily/Weekly/Monthly/Yearly)
 - (xvi) Cash vs. Sales vs. Ticket Entry matrix reports
 - (xvii) Compare the sales with history like (current vs. history1, history2)

8. The software should be installed in the computer with approved details like the ticket/Card number wiped, gate at which a particular ticket has been swiped, whether the ticket is valid or not, if not the reason for denying entry. The cumulative total of tickets swiped should be displayed gate wise. The software should be able to generate reports online daily, weekly, monthly etc., at any given time of the day. The office should be able to get hard copy also.
9. The systems to be set by the contractor shall also be able to support the software if given by the department at a later date during the contract period.
10. All the hardware, software and equipments shall have the defect liability period of two years from the date of commissioning. Thereafter the contractor shall guarantee the annual maintenance for at least next 3 years on chargeable basis as decided by the Member Secretary, Jharkhand Zoo Authority ,Ranchi. The award of contract shall be exclusive of AMC cost. The AMC cost should not be more than 10% of the project cost.
11. The contractor shall be responsible for engaging at least one person capable of maintaining and operating the system during CMC (Defect -liability period). The Zoo authority will provide personnel at ticket counter for sale of tickets and security check/ticket checking.
12. The work shall include all the necessary civil works incidental for the installation of the whole set up, its operations and its safety.
13. The contractor has to install the main computer system i.e. monitor, C.P.U. at the main Ticket Counter. The ticket authorization shall be done by the Member Secretary . A separate monitor can also be provided at the main gates for exclusive monitoring of the number of visitors entered into the zoo at a given point of time.
14. The Software should have the facility to block any RFID card (if Necessary)
15. The AMC shall start after the defect liability period.
16. The successful bidder shall supply the equipments with following minimum specifications as given below:-

Specifications of equipments to be supplied

VISITORS ENTRY MANAGEMENT SYSTEM (BOQ) For 5 GATES ENTRY			
NO.	PRODUCT NAME	Image	QTY
S01	FLAP BARRIER (Fully Automatic SS # 304 Outdoor Type with RFID Tag Reader & Collector (Through put 250 ~ 300 persons per hour excluding card Validation time)		5
S02	4 DOOR CONTROLLER PANEL (to Control 4 Gates and send Data to Master PC and also OPEN FLAP BARRIER)		2
S03	Computer System	Intel i5 with 4 GB RAM / 1 TB HDD/ 22" LED Monitor / Key Board / Mouse with TCP/IP Hub	1
S04	Visitors Entry Management Software License for minimum 5 gates	The SW will provide complete information about No of card issued / Payment collected / Date & Time wise / No of visitors passed through each Gate (Date & time wise)	1
S05	Installation of all equipments with wiring (material supply with casing, laying , civil work & underground laying)	For complete 05 Gates (Power + TCP/IP + other)	1
S06	ON-Line UPS with Single Phase IN /OUT , Capacity 3KVA with 1 Hr. Backup		1
S07	RFID Card		5000

SECTION – 2
GUIDELINES FOR SUBMISSION OF TENDER

The proposal should be submitted in two parts in two separate sealed envelopes / packets for technical bid & financial bid and put together in one single sealed outer envelope / packet (Master Envelope) super scribed with “**Supply and Installation of 05 Electronic gates with RFID card readers**” inbuilt and integration/ Up gradation of the existing 01 Manual gate entry/ ticketing system and Maintenance of the electronic gates which are:-

A: “Technical bid”

Technical eligibility criteria

- (i) The technical bid has to be submitted in the prescribed form
- (ii) The bidding agency/company/firm must have authorization from or MOU with Original Equipments Manufacturer (OEM). The bidder may also use the experience of OEM and the OEM must have completed at least one work order in last two years of such nature.
- (iii) Statement signed by CA showing turnover of the company of last two years (2014-15 & 2015- 16). The annual turn-over shall not be less than 20 lacs.
- (iv) Copy of ITR of last two years.
- (v) Demand draft for rupees 1,000/- (Rs. One thousand only) towards application fee drawn in favour of “Member Secretary, Jharkhand Zoo Authority, payable at Ranchi. (Non-refundable)
- (vi) D.D./ F.D.R. of Rupees 40,000/- (Forty Thousand only) from a nationalized bank towards Earnest Money Deposit in favour of Member Secretary, Jharkhand Zoo Authority, payable at Ranchi (refundable).
- (vii) The Bidder has to give the technical presentation during Technical Bid Evaluation.
- (viii) Each page of the documents attached to technical bid must be signed by bidders and the documents should be arranged in the order given in technical bid format. The tender document shall be part of the technical bid, so the bidder must attach the tender document after putting his/her signature on each page.

B : “Financial Bid”.

- (i) The financial bid has to be submitted to in the prescribed form. Any alteration in quantity may lead to disqualification.
- (ii) The bidder will submit the rate including all type of taxes and installation charge at Bhagawan Birsa Biological Park, Ranchi. The rate will include defect liability period of 2 years from the date of commissioning. No extra payment will be made for the replacement of spares during the defect liability period.

FORM FOR TECHNICAL BID

To be enclosed in separate sealed envelope marked as “technical bid”.

1. Name & address of the bidder with telephone no. & email:

2. Turn over (2014-15 & 2015-16):
(copy of balance sheet signed by CA)

3. Copy of ITR last two years :

4. Experience (Copy of work order & completion/installation report):

5. Sale tax/ VAT registration No. (Copy to be enclosed):

6. OEM authorization/MOU (Copy to be enclosed):

7. Address for local service support (if any) :

8. Brochure/ Leaflet :

9. Cost of tender document & EMD :

Signature & Seal of the bidder

Form for Financial Bid

(to be enclosed in separate sealed envelope marked as “financial bid”)

VISITOR'S ENTRY MANAGEMENT SYSTEM					
NO.	PRODUCT NAME	Image/Brand/Details	QTY	Unit Rate (With Tax)	Amount (With Tax)
S01	FLAP BARRIER (Fully Automatic SS # 304 Outdoor Type with RFID Tag Reader & Collector (Through put 250 ~ 300 persons per hour excluding card Validation time)		5		
S02	4 DOOR CONTROLLER PANEL (to Control 4 Gates and send Data to Master PC and also OPEN FLAP BARRIER)		2		
S03	Computer System	Intel i5 with 4 GB RAM / 1 TB HDD/ 22” LED Monitor / Key Board / Mouse with TCP/IP Hub	1		
S04	Visitor's Entry Management Software License for minimum 5 gates)	The SW will provide complete information about No of card issued / Payment collected / Date & Time wise / No of visitors passed through each Gate (Date & time wise)	1		
S05	Installation of all equipments with wiring (material supply with casing, laying ,civil work & underground laying)	For complete 05 Gates (Power + TCP/IP + other)	1		
S06	ON-Line UPS with Single IN/ OUT , Capacity 3KVA with 1 Hr Backup		1		
S07	RFID Card		5000		
Total					
S08	*AMC Charges less than 10% of the Project cost				
Total					

Note:- * The Cost of AMC shall not be considered for deciding L1

Signature & Seal of the bidder

Schedule of Payment

a) For supply, installation and commissioning including operation and training.

S. N.	Installation Stage	% of Contract Price	Conditions to be fulfilled
1	Supply of all equipments on the	50%	D) After inspection certificate is issued.
2	Commissioning of all Equipment including Integration/up	40%	D) After successful completion and commissioning of project and issue of completion certificate
3	Balance	10%	In the form of fixed deposit in nationalized bank and pledged in favor of Member Secretary, Jharkhand Zoo Authority, BBBP, Ranchi. It may be released to the successful bidder after successful completion of the project against the bank guarantee of equal amount.

b) Payment towards AMC for three years shall be released to the successful bidder on pro data basis during the AMC period.

GENERAL TERMS AND CONDITIONS.

1. All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant columns. Even if no information is to be provided in a column, a "NIL" or "no such case" entry should be made in that column. If any particulars/query is not applicable in case of the applicant, it should be stated as "not applicable".
2. The tender should be type-written. All page of application shall be signed by the person himself in case of an individual, by the proprietor in case of a proprietary firm; by the duly authorized person holding the power of attorney for signing the application accompanied by a copy of the power of attorney.
3. Overwriting should be avoided. Correction, if any, should be made by neatly crossing out, making initial, dating and rewriting. Pages of the eligibility criteria document are numbered. Additional sheets, if any added by the contractor, should also be numbered by him. They should be submitted as a package with the signed letter of transmittal.
4. References, information and certificates from the respective clients certifying suitability, technical knowledge, experience or capability of the applicant should be signed by the concerned bidder.
5. The Member Secretary reserves the right, without being liable for any damages or obligation to inform the applicant to reject any or all of the applications without assigning any reason.
6. After evaluation of technical bid, a list of short listed bidders will be prepared. Thereafter, the price bid of only qualified and technically acceptable bidders shall be opened at the notified time, date and place in presence of qualified bidders or their representatives.
7. The applicant is advised to visit the site of work, at his own cost, and examine it and its surroundings by himself to collect all information that he considers necessary for proper assessment of the prospective assignment.
8. The department shall not be liable to pay any interest on the money deposited by the applicants.
9. The bidder shall be bound to complete the work within stipulated time. There shall not be any time extension thereof.
10. In case of holiday on relevant dates of the tender, the fixed date shall be replaced by the next working day. There shall not be separate information given in this regard.
11. The bidders shall have to submit their bids either physically in the tender deposition box or through registered post on/or before the due date. For bids being deposited through registered post, BBBP will not be responsible for any late receipt of the bid documents.
12. The successful bidder has to provide required training to the staff deputed by BBBP so that they can operate the system on their own if needed.
13. If the supplier fails to supply, install and commission the system as per specification mentioned in the order within the due date, the supplier is liable to pay liquidator damages of 1% value of the purchase order awarded, per week delay subject to maximum of 10% beyond the due date and such money will be deducted from any money due or which may become due to the supplier.
14. It is the duty of the supplier to ascertain that the system supplied by them has to fit to the existing area and function effectively and efficiently as per the specification.
15. The terms and conditions of the tender shall be part of the agreement.

16. Tender submitted by a person who has dues to the Department of Forest, Government of Jharkhand or who is a minor or who is insolvent, or who has been convicted in a court of law for offences involving moral turpitude or who has been black listed shall be treated as invalid and EMD of such tender shall be forfeited to the government.
17. The tender shall be finalized by the tender committee in the following procedure:
 - (i) First only the Technical bid will be opened and examined as per the tender conditions & eligibility criteria.
 - (ii) There after the bidder who succeed in the technical eligibility criteria will be required to present a “prequalification bid” in shape of a power point presentation (minimum 5 minutes) before the tender committee regarding the software& the technology involved in the electronic gate.
 - (iii) There after the financial bid of only such of the bidder who qualify in the technical as well as in the pre-qualification bid will be opened.
 - (iv) The committee constituted for finalization of tender will consider the rates offered in sealed tender and will take a decision to accept the tender or otherwise.
18. If identical amount is offered by more than one bidder then the matter will be decided by the committee.
19. The contractor on being so appointed shall execute an agreement after completing the formalities specified hereunder within seven days from the date of dispatch of the order of appointment by the registered post acknowledgement due.
20. The Member Secretary may terminate the contract at any time after issuing a notice of (15) fifteen days in advance of the proposed date of termination of contract without assigning any reasons thereof.
21. The contractor shall have no advertisement rights on or near the gates.
22. The Member Secretary shall have the right to annul, add, modify any of the conditions above without any notice and they shall be binding on the contractor.
23. The tender committee shall have the right to negotiate with the successful bidder.
24. The bidder shall provide original equipment manufacturers and components in the system.
25. The bidder should have a firm with local service who will give service. The bidder shall furnish the credentials of the local service centre and a copy of the agreement entered with the local service centre to render service at Bhagawan Birsa Biological Park as & when required. These documents shall be furnished in the technical bid.
26. Jharkhand Zoo Authority may upload corrigendum, if required. Therefore, the bidders are advised to visit the website [WWW. Jharkhandzooauthority.org](http://WWW.Jharkhandzooauthority.org) before submitting the tender. The corrigendum shall be part of the tender document.
27. All disputes shall be subject to the jurisdiction of the courts of law at Ranchi, Jharkhand only.

Signature of the Bidder
Name & Full address

PROFORMA FOR UNDERTAKING

To
The Member Secretary
Jharkhand Zoo Authority
Chakala, Ormanjhi, Ranchi

Sub: Submission of Tender for “Supply and Installation of 05 Electronic Gates equipped together with RFID card punching & RFID readers by upgrading the existing entrance gate having manual ticketing system of B.B.B.Park, Ormanjhi, Ranchi. including CMC”

Sir / Madam,

Having examined the conditions of contract and specifications including addenda, I/we, the undersigned, offer to undertake Supply and Installation of 05 Electronic Gates equipped together with RFID card punching & RFID readers by upgrading the existing entrance gate having manual ticketing system of B.B.B.Park, Ormanjhi, Ranchi. including CMC in conformity with the specifications, terms & conditions of Tender.

I/We agree to abide by the terms and provisions of the said conditions of the contract and provisions contained in the notice inviting tender. I/We hereby unconditionally accept the tender conditions of JZA tender documents in its entirety for the above work. It is certified that I/we have not stipulated any condition(s) in our tender offer. In case any condition(s) are found in our tender offer violated after opening tender, I/We agree that the tender shall be rejected and JZA shall without prejudice to any other right or remedy be at liberty to forfeit the EMD absolutely.

- i.** I/We hereby submit the earnest money Tender for the above mentioned work in the form of demand draft.
- ii.** That, I/We declare that I/we have not paid and shall not pay any bribe to any officer of JZA for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of JZA asks for bribe/gratification, I shall immediately report it to the JZA authorities.
- iii.** That, I/We undertake that JZA’s standard document shall form part of contract agreement.
- iv.** That I/We undertake to complete the project within 90 days from the date of issue of work order.

We understand that you are not bound to accept the lowest or any bid, you shall receive.

Thanking you

Yours faithfully

Dated:

Enclosures

Signature of Bidder

Name:.....
Telephone:.....
Witness.....
Signature.....

Address.....